

Form PTO-1449 (modified)

Atty. Docket No.

4350.001200/BSK

Serial No.

09/527,785

List of Patents and Publications for Applicant's

## INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Applicants

Oleg N. Suslov, Dennis A. Steindler and

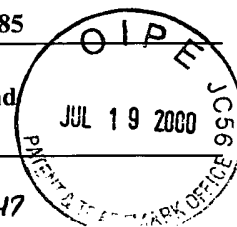
Valery G. Kukekov

Filing Date:

March 17, 2000

Group:

1646 / 647



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Other Art

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## U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
PCW	A1	4,554,101	11/19/85	Hopp.			
	A2	4,683,195	07/28/87	Mullis, et al.			
	A3	4,683,202	07/28/87	Mullis			
	A4	4,873,192	10/10/89	Kunkel			
	A5	4,965,188	10/23/90	Mullis, et al.			
	A6	5,176,995	01/05/93	Sninsky, et al.			
	A7	5,610,288	03/11/97	Rubenstein			
	A8	5,718,709	02/17/98	Considine, et al.			
	A9	5,739,119	04/14/98	Galli, et al.			
	A10	5,759,829	06/02/98	Shewmaker, et al.			
	A11	5,789,573	08/04/98	Baker, et al.			
	A12	5,801,154	09/01/98	Baracchini, et al.			

## Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
PCW	B1	EP 75,444	03/30/83	Europe			

## Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
PCW	C1	Adams et al., "Rapid cDNA sequencing (expressed sequence tags) from a directionally cloned human infant brain cDNA library," <i>Nat. Genet.</i> , 4:373-380, 1993.

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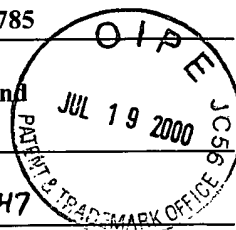
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	Filing Date: March 17, 2000	Group: 1646/1647
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### Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
RCN	C2	Allen, "The cessation of mitosis in the central nervous system of the albino rat," <i>J. Comp. Neurol.</i> , 22:547-568, 1912.
↓	C3	Altman, "Autoradiographic and histological studies of postnatal neurogenesis," <i>J. Comp. Neurol.</i> , 136(3):269-293, 1969.
↓	C4	Altman, "Autoradiographic and histological studies of postnatal neurogenesis," <i>J. Comp. Neurol.</i> , 137(4):433-457, 1969.
↓	C5	Altschul <i>et al.</i> , "Basic local alignment search tool," <i>J. Mol. Biol.</i> , 215:403-410, 1990.
duplicate	C6	<del>Arsenijevic and Weiss, "Insulin-like growth factor-I is a differentiation factor for postmitotic CNS stem cell-derived neuronal precursors: distinct actions from those of brain-derived neurotrophic factor," <i>J. Neurosci.</i>, 18(6):2118-2128, 1998.</del>
RCN	C7	Bjornson <i>et al.</i> , "Turning brain into blood: a hematopoietic fate adopted by adult neural stem cells in vivo," <i>Science</i> , 283(5401):534-537, 1999.
↓	C8	Calof <i>et al.</i> , "The neuronal stem cell of the olfactory epithelium," <i>J. Neurobiol.</i> , 36:190-205, 1998.
↓	C9	Chang and Hemmati-Brivanlou, "Cell fate determination in embryonic ectoderm," <i>J. Neurobiol.</i> , 36:128-151, 1998.
↓	C10	Chen <i>et al.</i> , "Profiling expression patterns and isolating differentially expressed genes by cDNA microarray system with colorimetry detection," <i>Genomics</i> , 51:313-324, 1998.
↓	C11	Corpet, "Multiple sequence alignment with hierarchical clustering," <i>Nucleic Acids Res.</i> , 16:10881-10890, 1988.
↓	C12	Ditachenko <i>et al.</i> , "Suppression subtractive hybridization: a method for generating differentially regulated or tissue-specific cDNA probes and libraries," <i>Proc. Natl. Acad. Sci. USA</i> , 93:6025-6030, 1996.
↓	C13	Doe, Fuerstenberg and Peng, "Neural stem cells: from fly to vertebrates," <i>J. Neurobiol.</i> , 36:111-127, 1998.
↓	C14	Eberwine <i>et al.</i> , "Analysis of gene expression in single live neurons," <i>Proc. Nat'l Acad. Sci. USA</i> , 89:3010-3014, 1992.
↓	C15	Eisen <i>et al.</i> , "Cluster analysis and display of genome-wide expression patterns," <i>Proc. Natl. Acad. Sci. USA</i> , 95(25):14863-14868, 1998.

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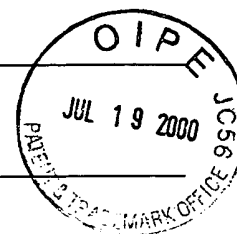
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### Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
RCI	C16	Eriksson <i>et al.</i> , "Neurogenesis in the adult human hippocampus," <i>Nat. Med.</i> , 4:1313-1317, 1998.
	C17	Ferguson, "A fiber-optic DNA biosensor microarray for the analysis of gene expression," <i>Nat. Biotech.</i> , 14:1681-1684, 1996.
	C18	Gritti <i>et al.</i> , "Multipotential stem cells from the adult mouse brain proliferate and self-renew in response to basic fibroblast growth factor," <i>J. Neurosci.</i> , 16:1091-1100, 1996.
	C19	Herington, "Effect of disulfide-bond reducing agentgs on the specific binding of growth hormone to microsomal membrane preparations from rabbit liver," <i>Biochem. Pharmacol.</i> , 35(8):1359-1364, 1986.
	C20	Higgins <i>et al.</i> , "Clustal: a package for performing multiple sequence alignment on a microcomputer," <i>Gene</i> , 73:237-244, 1988.
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	C22	Huang <i>et al.</i> , "Parallelization of a local similarity algorithm," <i>Computer Applications in the Biosciences</i> , 8:155-165, 1992.
	C23	Hubank and Schatz, "Identifying differences in mRNA expression by representational difference analysis of cDNA," <i>Nucleic Acids Res.</i> , 22:5640-5648, 1994.
	C24	Jacobson, In: <i>Developmental Neurobiology</i> , 3 <sup>rd</sup> Edition, Plenum Press, NY, 1978.
	C25	Johansson <i>et al.</i> , "Identification of a neural stem cell in the adult mammalian central nervous system," <i>Cell</i> , 96:25-34, 1999.
	C26	Keller and Snodgrass, "Human embryonic stem cells: The future is now," <i>Nat. Med.</i> , 5(2):151-152, 1999.
	C27	Klebe <i>et al.</i> , "RT-PCR without RNA isolation," <i>Biotechniques</i> , 21(6):1094-1100, 1996.
	C28	Kukekov <i>et al.</i> , "Multipotent stem/progenitor cells with similar properties arise from two neurogenic regions of adult human brain," <i>Exp. Neurol.</i> , 156:333-344, 1999.
	C29	Kukekov <i>et al.</i> , "A nestin-negative precursor cell from the adult mouse brain gives rise to neurons and glia," <i>GLIA</i> , 21:399-407, 1997.
↓	C30	Kunkel <i>et al.</i> "rapid and efficient site-specific mutagenesis without phenotypic selection.," <i>Methods Enzymol.</i> , 154:367-382, 1987.

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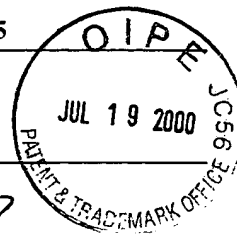
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### Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

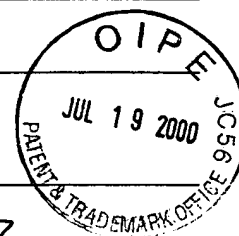
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Pck	C31	Kunkel, "Rapid and efficient site-specific mutagenesis without phenotypic selection," <i>Proc. Natl. Acad. Sci. USA</i> , 82:488-492, 1985.
	C32	Kyte and Doolittle, "A simple method for displaying the hydropathic character of a protein," <i>J. Mol. Biol.</i> , 157:105-132, 1982.
	C33	Laywell, Kukekov and Steindler, "Multipotent neurospheres can be derived from forebrain subependymal zone and spinal cord of adult mice after protracted postmortem intervals," <i>Exp. Neurol.</i> , 156(2):430-433, 1999.
X	C34	Levitt, "Coexistence of neuronal and glial precursor cells in the cerebral ventricular zone of the fetal monkey: an ultrastructural immunoperoxidase analysis," <i>et al.</i> , <i>J. Neuroscience</i> , 27-39, 1981.
	C35	Lin <i>et al.</i> , "Re-expression of the intermediate filament nestin in reactive astrocytes," <i>Neurobiol. Dis.</i> , 2(2):79-85, 1995.
	C36	Ling and Neben, "In vitro differentiation of embryonic stem cells: immunophenotypic analysis of cultured embryoid bodies," <i>J. Cell Physiol.</i> , 171:104-115, 1997.
	C37	Lisitsyn <i>et al.</i> , "cloning the differences between two complex genomes," <i>Science</i> , 259(5097):946-951, 1993.
	C38	Mayer-Proschel <i>et al.</i> , "Isolation of lineage-restricted neuronal precursors from multipotent neuroepithelial stem cells," <i>Neuron</i> , 19(4):773-785, 1997.
	C39	McKay, "Stem cells in the central nervous system," <i>Science</i> , 276:66-71, 1997.
	C40	Needleman <i>et al.</i> , "A general method applicable to the search for similarities in the amino acid sequence of two proteins," <i>J. Mol. Biol.</i> , 48:443-453, 1970.
	C41	Pearson <i>et al.</i> , "Improved tools for biological sequence comparison," <i>Proc. Natl. Acad. Sci. USA</i> , 85:2444-2448, 1988.
	C42	Pearson, "Using the FASTA program to search protein and DNA sequence databases," <i>Methods of Molecular Biology</i> , 24:307-331, 1994.
	C43	Polymeropoulos <i>et al.</i> , "Chromosomal assignment of 46 brain cDNAs," <i>Genomics</i> , 12:492-496, 1992.
↓	C44	Ramsay, "DNA chips: state-of-the art," <i>Nat. Biotech.</i> , 16:40-44, 1998.

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		Filing Date: March 17, 2000	Group: 1646-1647
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### Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
PCR	C45	Reynolds and Weiss, "Clonal and population analyses demonstrate that an EGF-responsive mammalian embryonic CNS precursor is a stem cell," <i>Dev. Biol.</i> , 175:1-13, 1996.
	C46	Reynolds and Weiss, "Generation of neurons and astrocytes from isolated cells of the adult mammalian central nervous system," <i>Science</i> , 225:1707-1710, 1992.
	C47	Richards, Kilpatrick and Bartlett, "De novo generation of neuronal cells from the adult mouse brain," <i>Proc. Natl. Acad. Sci. USA</i> , 89:8591-8595, 1992.
	C48	Scheffler <i>et al.</i> , "Marrow-mindedness: a perspective on neurogenesis," <i>Trends Neurosci.</i> , 22(8):348-357, 1999.
	C49	Schena <i>et al.</i> , "Quantitative monitoring of gene expression patterns with a complementary DNA microarray," <i>Science</i> , 270:467-470, 1995.
	C50	Schena <i>et al.</i> , "Microarrays: biotechnology's discovery platform for functional genomics," <i>Trends Biotech.</i> , 16:301-306, 1998.
only contents provided	C51	<del>Sokal, "Biochemical Calculations" 2nd Edition, John Wiley &amp; Sons, New York, 1976.</del>
PCR	C52	Shamblott <i>et al.</i> , "Derivation of pluripotent stem cells from cultured human primordial germ cells," <i>Proc. Natl. Acad. Sci. USA</i> , 95:13726-13731, 1998.
	C53	Smith <i>et al.</i> , "Comparison of biosequences," <i>Adv. Appl. Math.</i> , 2:482-489, 1981.
	C54	Steindler <i>et al.</i> , "Boundary molecules during brain development, injury, and persistent neurogenesis — in vivo and in vitro studies," <i>Prog. Brain Res.</i> , 117:179-196, 1998.
	C55	Steindler, Kadrie, Fillmore and Thomas, "The subependymal zone: 'brain marrow'," <i>Prog. Brain Res.</i> , 108:349-363, 1996.
	C56	Stoykova and Gruss, "Roles of Pax-genes in developing and adult brain as suggested by expression patterns," <i>J. Neurosci.</i> , 14:1395-412, 1994.
	C57	Suslov <i>et al.</i> , "RT-PCR amplification of mRNA from single brain neurospheres," <i>J. Neurosci. Methods</i> , 96(1):57-61, 2000.
	C58	Thomas, Gates and Steindler, "Young neurons from the adult subependymal zone proliferate and migrate along an astrocyte, extracellular matrix-rich pathway," <i>GLIA</i> , 17:1-14, 1996.
	C59	Thomson <i>et al.</i> , "Embryonic stem cells lines derived from human blastocysts," <i>Science</i> , 282:1145-1147, 1998.

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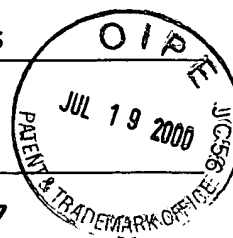
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Exam. Init.	Ref. Des.	Citation
PCH	C60	Van Gelder <i>et al.</i> , "Amplified RNA synthesized from limited quantities of heterogeneous cDNA," <i>Proc. Natl. Acad. Sci. USA</i> , 87:1663-1667, 1990.
	C61	Welford <i>et al.</i> , "Detection of differentially expressed genes in primary tumor tissues using representational differences analysis coupled to microarray hybridization," <i>Nucleic Acids Res.</i> , 26:3059-3065, 1998.
	C62	Zeng <i>et al.</i> , "Differential cDNA cloning by enzymatic degrading subtraction (EDS)," <i>Nucleic Acids Res.</i> , 22:4381-4385, 1994.

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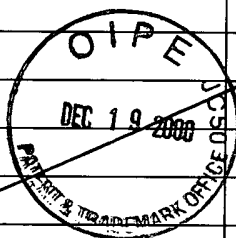
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	A1						
	A2						
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## Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
REN	B1	WO99/11758	03/11/99	PCT WIPO			

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Exam. Init.	Ref. Des.	Citation
REN	C1	Arsenijevic and Weiss, "Insulin-like growth factor-I is a differentiation factor for postmitotic CNS stem cell-derived neuronal precursors: distinct actions from those of brain-derived neurotrophic factor," <i>J. Neurosci.</i> , 18(6):2118-2128, 1998.
<del>duplicate citation</del>	<del>C2</del>	<del>Bjornson et al., "Turning brain into blood: a hematopoietic fate adopted by adult neural stem cells in vivo," <i>Science</i>, 283(5401):534-537, 1999.</del>
REN	C3	Cameron and McKay, "Discussion point: Stem cells and neurogenesis in the adult brain," <i>Curr. Opin. In Neuobiol.</i> , 8:677-680, 1998.
<del>duplicate</del>	<del>C4</del>	<del>Suslov et al., "RT-PCR amplification of mRNA from single brain neurospheres," <i>J. Neurosci. Methods</i>, 96(1):57-61, 2000.</del>

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